

I.3
12/23/97

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 5
POLLUTION REPORT

EPA Region 5 Records Ctr.



269646

I. HEADING

Date: December 23, 1997
Subject: Indiana Ave. Vacant Lot, Chicago, Illinois
From: OSC Cindy Nolan/Keith Lesniak, U.S. EPA,
Region 5, Chicago

To: K. Mould, OSWER, Wash., D.C. (703-603-9116)
R. Karl, Branch Chief, ERB, Chicago (312-353-9176)
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B. Messenger, Chief, U.S. EPA ESS (312-353-9176)
T. Lesser, U.S. EPA Off. Public Affairs (312-353-1155)
R. Pallesen, U.S. EPA ORC (312-886-0747)
U.S. Coast Guard, Dist. 9 (216-522-2738)

POLREP # Final (December 8 through December 23, 1997)

II. BACKGROUND

Site No: B507	Delivery Order No: 5001-05-696
CERCLIS No: IL0002009397	ERNS No:
Response Authority: CERCLA	NPL Status: Non-NPL
State Notification: IEPA	Start Date: November 18, 1997
Demobilization Date: N/A	Completion Date: December 31, 1997
Status of Action Memorandum:	Threat Determination Signed 10/97
	Action Memo Signed 11/97

III. SITE DESCRIPTION

A. Site Information:

The Indiana Avenue Vacant Lot site is located in Chicago, Cook County, Illinois on the southwest corner of South Indiana Avenue and 43rd Street (41°49'06"N and 87°37'17"W). The site is less than 1/4 acre and consists of approximately 70 drums and 1000 small containers of various structural integrity. The site is located in an environmental justice area with a mixture of residences and commerce. The site is bordered on the north by a fence, a church, and a small yard; on the west by a fence and an alley; on the south by a small garage-type building; and on the east by a parking lot.

On July 8, 1997, U.S. EPA's Keith Lesniak and two START members conducted a site assessment. Drum samples indicated the presence of volatile organic compounds above permissible exposure limits. Contents of the drums included paints and solvents. In addition to drums and containers, waste piles and paint-contaminated soils are located onsite. A local resident informed U.S. EPA that the site had been used as a small paint manufacturing facility.

B. Preliminary Assessment/Site Inspection Results

During the July 8, 1997 site assessment, three drum samples were taken, two of which are classified as hazardous. Agency for Toxic Substances and Disease Registry's (ATSDR) permissible exposure limits for the following compounds were exceeded: lead (1,400 mg/kg), toluene (110,000 mg/kg), and total xylenes (420,000 mg/kg). Also, flash points were found to be as low as 70°F.

IV. RESPONSE INFORMATION

A. Actions Taken

On December 8, 1997, the crew continued general site cleanup. Non-hazardous debris was loaded into a City Department of Streets and Sanitation disposal truck. Contaminated soil was placed into rolloff boxes. Small containers were inventoried and sorted: non-paint related items were sampled for hazcatting. Shred-All was on site to pick up the tire rolloff box. START continued documentation and air monitoring.

On December 9, 1997, the crew continued general site cleanup. Steel was sorted and loaded into the scrap steel rolloff box. New drums for bulking arrived on site. Small containers were sorted and paint liquids were bulked. The Chicago Fire Department Hazardous Materials Team visited site to discuss removal activities and safety. START continued documentation and air monitoring. HNU results continued to indicate that small levels of volatile organics occurred in the hotzone and that background levels occurred outside the hotzone.

On December 10, 1997, waste group composite samples were obtained and sent to the lab. Bulking of drums was initiated and bulking of containers continued. The 20 cubic yard scrap metal rolloff box was transported off site and replaced by another empty box. The biohazard container with approximately 70 used syringes was returned to Hines VA Hospital. START completed hazcatting and continued documentation and air monitoring.

On December 11, 1997, bulking of liquids was completed and bulking of solids continued. Non-hazardous solids were placed into the rolloff boxes. Five 20 yards³ rolloff boxes of contaminated soil and paint sludge were transported offsite. START continued documentation and air monitoring.

On December 12, 1997, all bulking operations were completed. The remaining contaminated soil rolloff boxes were transported off site. Seven confirmation samples of soil were taken. Drums and 24 empty air cylinders were cut up and placed into the scrap metal rolloff. The city transported 5 yards³ of non-hazardous debris offsite. Backfill was brought to site to cover the areas where approximately 2 feet of soil had been removed. The crew placed

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On December 13, 1997, drum cutting and crushing was completed. The parking lot was scraped and backfill was placed and leveled over the entire site. The 32 drums used for bulking were cleaned, staged, and marked with warning signs. The scrap metal rolloff box was transported off site. START continued documentation. Demobilization was completed.

On December 15, 1997, START sent the confirmation samples to the lab.

On December 19, 1997, the 32 drums were transported offsite.

On December 23, 1997, confirmation results indicated that the soil that remains on site is below action levels for all analyzed parameters. Any contaminants that do remain on site have been covered with plastic liner and approximately 2 feet of backfill, and pose no threat to human health or the environment.

B. Enforcement:

Potentially Responsible Parties (PRPs) are currently being pursued.

V. ESTIMATED COSTS

	<u>Costs (through 12/16/97)</u>	<u>Amount Remaining</u>
ERCS	\$ 97,571	\$ 70,377
START	\$ 6,000	\$ 9,000
U.S. EPA	\$ 11,115	\$ 9,565

VI. DISPOSITION OF WASTES

<u>Wastestream</u>	<u>Medium</u>	<u>Quantity</u>	<u>Containment</u>	<u>Treatment</u>	<u>Disposal</u>
Non-haz debris	Solid	75 yd ³	Dumpster	Landfill	Landfill
Contam. soil	Solid	230 yd ³	Roll-off box	Landfill	Landfill
Tires	Solid	38	Roll-off box	Recycling	Facility

Syringes	Solid	67	Bio-haz box	Hospital	Hospital
Non-haz liquid	Liquid	17 drums	55-gal. drums	Treatment	Facility
Flammable liquid	Liquid	7 drums	55-gal. drums	Fuels blending	Facility
Flammable solid	Solid	7 drums	55-gal. drums	Fuels blending	Facility

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